

## EAST Search History

## EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	168	("20030121256"   "20030121409"   "20030125840"   "20030196545"   "20040055288"   "20040055289"   "20040055452"   "20040055453"   "20040055454"   "20040055455"   "20060090460"   "20060213129"   "20070056439"   "3366202"   "4046270"   "4222409"   "4250794"   "4316486"   "4416187"   "4437385"   "4480527"   "4581893"   "4586330"   "4623118"   "4662601"   "4706932"   "4711267"   "4747335"   "4799420"   "4848721"   "4942900"   "5137254"   "5152142"   "5211196"   "5287794"   "5297381"   "5313873"   "5350152"   "5366202"   "5421545"   "5447677"   "5537818"   "5553452"   "5568759"   "5678470"   "5701933"   "5709368"   "5813226"   "5813309"   "5857330"   "5868059"   "5878647"   "5890362"   "5947140"   "5960605"   "6009708"   "6026730"   "6082106"   "6216456"   "6367365"   "6397655"   "6467264"   "6502393"   "6502500"   "6516614"   "6598391"   "6619183"   "6655136"   "6662705"   "6665136"   "6691603"   "6694860"   "6715402"   "6718759"   "6725131"   "6732512"   "6748738"   "6761029"   "6869060"   "7204185").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/12/04 13:22
L2	2	"5421545".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/12/04 13:39
L3	29	("2755058"   "4585206"   "4848721"   "5137254"   "5144983").PN. OR ("5421545").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/12/04 13:40
L4	3	("3105517").URPN.	USPAT	OR	OFF	2009/12/04 13:52

L5	0	251/337.cols. and (ball with spool) and pilot	US-PGPUB; USPAT; USOOR; EPO; JPO; DERWENT	OR	ON	2009/12/04 13:54
L6	0	251/337.cols. and (ball with spool)	US-PGPUB; USPAT; USOOR; EPO; JPO; DERWENT	OR	ON	2009/12/04 13:54
L7	1	251/337.cols. and (ball same spool)	US-PGPUB; USPAT; USOOR; EPO; JPO; DERWENT	OR	ON	2009/12/04 13:54
L8	5	251/337.cols. and (ball or sphere or joint) and spool	US-PGPUB; USPAT; USOOR; EPO; JPO; DERWENT	OR	ON	2009/12/04 13:54
L9	13	("3921666"   "3989063"   "4299252"   "4579146").PN. OR ("4674540").URPN.	US-PGPUB; USPAT; USOOR	OR	OFF	2009/12/04 13:55
L10	13	("3921666"   "3989063"   "4299252"   "4579146").PN. OR ("4674540").URPN.	US-PGPUB; USPAT; USOOR	OR	OFF	2009/12/04 14:01
L11	41	("2114961"   "2181423"   "2629007"   "3043336"   "3383084"   "3529620").PN. OR ("3989063").URPN.	US-PGPUB; USPAT; USOOR	OR	OFF	2009/12/04 14:01
L12	24	("3420492"   "3448960"   "3743898"   "3889219"   "3989063"   "4097833"   "4165762"   "4455543"   "4533890"   "4749167"   "4778227"   "4779582"   "4829947"   "4938545").PN. OR ("6164322").URPN.	US-PGPUB; USPAT; USOOR	OR	OFF	2009/12/04 14:15
L13	5	("3420492").URPN.	USPAT	OR	OFF	2009/12/04 14:18
L14	5	("3420492").URPN.	USPAT	OR	OFF	2009/12/04 14:29

L15	24	("3420492"   "3448960"   "3743898"   "3889219"   "3989063"   "4097833"   "4165762"   "4455543"   "4533890"   "4749167"   "4778227"   "4779582"   "4829947"   "4938545").PN. OR ("6164322").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/12/04 14:29
L16	2	"5421545".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/12/04 14:44
L17	152	251/337.cols. and (ball or sphere)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/12/04 14:46
L18	9	251/337.cols. and (ball or sphere) and pilot	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/12/04 14:47
L19	152	251/337.cols. and (ball or sphere)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/12/04 14:48
L20	36	("2254209"   "2568026"   "2642892"   "3025874"   "3105517"   "3406912").PN. OR ("4049017").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/12/04 14:52
S1	27	markus-bill.in. or bruck-peter.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/04/07 09:40
S2	4	("4848721"   "6330798").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/04/07 09:50

S8	550	251/30.03,30.04.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/04/07 09:55
S9	361	251/25,29,30.01,30.03,30.04,129.15,129.2.ccls. and spring and pilot and hydraulic\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/04/07 11:35
S10	35	("2251441"   "3858841"   "3903919"   "3977649"   "4201362"   "4305566"   "4475690"   "4480619").PN. OR ("4753212").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/04/07 14:38
S11	21	("3281741"   "3842809"   "4653455"   "4690373"   "4690374"   "4750514"   "4753212"   "4832312"   "5239968"   "5244180"   "5277163"   "5315278"   "5347970").PN. OR ("5476079").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/04/07 16:01
S12	6	("5072752"   "5878847"   "5921279"   "6328275"   "6330798").PN. OR ("6869060").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/04/07 16:16
S13	32	("2364602"   "2470470"   "2480712"   "2952071"   "3154285"   "3405906"   "4305566"   "4364410"   "4494726"   "4544128"   "4592533"   "4679586"   "4679765").PN. OR ("5072752").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/04/07 16:18
S14	106	251/25,29,30.01,30.03,30.04,129.15,129.2.ccls. and spring and pilot and hydraulic\$4 and proportional	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/04/07 16:27
S15	41	("1764366"   "1989341"   "2575272"   "2659197"   "2672889"   "2673706"   "2687869"   "2964286"   "3033229"   "3079952"   "3154285"   "3903919"   "4113174"   "4304264"   "4494726"   "4526340"   "4679765"   "4699351").PN. OR ("4799645").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/04/07 17:06

S16	38	(["1394895"   "1505032"   "1658000"   "1892565"   "1894267"   "2554158"   "2624542"   "3667722"   "4311296"   "4746093"   "4776561").PN. OR ("4921208").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/04/08 08:43
S17	3	251/25,29,30.01,30.03,30.04,129.15,129.2.ccls. and spring and pilot and hydraulic\$4 and proportional and compensator \$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/04/08 09:53
S18	782	251/33,34.cols.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/04/10 09:25
S19	24	251/33,34.cols. and pilot and spring and proportional	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/04/10 09:26
S20	62380	251/33,34.cols. and pilot and spring and check or constriction	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/04/10 09:52
S21	35	(251/33,34.ccls.) and pilot and spring and (check or constriction)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/04/10 09:53
S22	14	("2822818"   "2826215").PN. OR ("4848721").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/11/23 12:04
S23	13	("2084030"   "3738607"   "4623118"   "5551664"   "5673980"   "5735582"   "5810330"   "5865213"   "5967627"   "6199961").PN. OR ("6435210").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/11/23 15:47
S24	23	("4830332"   "5203617"   "5542755"   "5649748"   "5735582").PN. OR ("5865213").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/11/23 15:58

S25	18	("3405906"   "4304264"   "4544128"   "4592533"   "4699351"   "Re25338").PN. OR ("5271599").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/11/30 11:39
S26	18	("3405906"   "4304264"   "4544128"   "4592533"   "4699351"   "Re25338").PN. OR ("5271599").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/11/30 11:53
S27	17	("4544128"   "4674688"   "4993637"   "5271599"   "5526791"   "5538187"   "5664545"   "5779149"   "5875764").PN. OR ("6168132").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/11/30 12:00
S28	516	137/491.cols.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/11/30 12:25
S29	83	137/491.cols. and spool	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/11/30 12:25
S30	516	137/491.cols.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/11/30 12:30
S31	1323	251/337.cols.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/12/04 11:48
S32	152	251/337.cols. and (ball or sphere)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/12/04 11:49
S33	36	("2254209"   "2568026"   "2642892"   "3025874"   "3105517"   "3406912").PN. OR ("4049017").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/12/04 12:02

12/4/2009 3:17:23 PM

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